

HB 1590 - H AMD TO H AMD (1590 AMH MANW ELGE 086) **648**

By Representative Manweller

WITHDRAWN 02/16/2016

1 On page 2, after line 30 of the striking amendment, insert the
2 following:

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4 "Sec. 2. RCW 19.28.191 and 2014 c 156 s 2 are each amended to
5 read as follows:

6 (1) Upon receipt of the application, the department shall review
7 the application and determine whether the applicant is eligible to
8 take an examination for the master journey level electrician,
9 journey level electrician, master specialty electrician, or
10 specialty electrician certificate of competency.

11 (a) Before July 1, 2005, an applicant who possesses a valid
12 journey level electrician certificate of competency in effect for
13 the previous four years and a valid general administrator's
14 certificate may apply for a master journey level electrician
15 certificate of competency without examination.

16 (b) Before July 1, 2005, an applicant who possesses a valid
17 specialty electrician certificate of competency, in the specialty
18 applied for, for the previous two years and a valid specialty
19 administrator's certificate, in the specialty applied for, may apply
20 for a master specialty electrician certificate of competency without
21 examination.

22 (c) Before December 1, 2003, the following persons may obtain an
23 equipment repair specialty electrician certificate of competency
24 without examination:

25 (i) A person who has successfully completed an apprenticeship
26 program approved under chapter 49.04 RCW for the machinist trade;
27 and

1 (ii) A person who provides evidence in a form prescribed by the
2 department affirming that: (A) He or she was employed as of April 1,
3 2003, by a factory-authorized equipment dealer or service company;
4 and (B) he or she has worked in equipment repair for a minimum of
5 four thousand hours.

6 (d) To be eligible to take the examination for a master journey
7 level electrician certificate of competency, the applicant must have
8 possessed a valid journey level electrician certificate of
9 competency for four years.

10 (e) To be eligible to take the examination for a master
11 specialty electrician certificate of competency, the applicant must
12 have possessed a valid specialty electrician certificate of
13 competency, in the specialty applied for, for two years.

14 (f) To be eligible to take the examination for a journey level
15 certificate of competency, the applicant must have:

16 (i) Worked in the electrical construction trade for a minimum of
17 eight thousand hours, of which four thousand hours shall be in
18 industrial or commercial electrical installation under the
19 supervision of a master journey level electrician or journey level
20 electrician and not more than a total of four thousand hours in all
21 specialties under the supervision of a master journey level
22 electrician, journey level electrician, master specialty electrician
23 working in that electrician's specialty, or specialty electrician
24 working in that electrician's specialty. Specialty electricians with
25 less than a four thousand hour work experience requirement cannot
26 credit the time required to obtain that specialty towards qualifying
27 to become a journey level electrician; or

28 (ii) Successfully completed an apprenticeship program approved
29 under chapter 49.04 RCW for the electrical construction trade.

30 (g)(i) To be eligible to take the examination for a specialty
31 electrician certificate of competency, the applicant must have:

32 (A) Worked in the residential (as specified in WAC 296-46B-
33 920(2)(a)), pump and irrigation (as specified in WAC 296-46B-
34 920(2)(b)), sign (as specified in WAC 296-46B-920(2)(d)), limited

1 energy (as specified in WAC 296-46B-920(2)(e)), nonresidential
2 maintenance (as specified in WAC 296-46B-920(2)(g)), or other new
3 nonresidential specialties as determined by the department in rule
4 under the supervision of a master journey level electrician, journey
5 level electrician, master specialty electrician working in that
6 electrician's specialty, or specialty electrician working in that
7 electrician's specialty for a minimum of four thousand hours;

8 (B) Worked in the appliance repair specialty as determined by
9 the department in rule, restricted nonresidential maintenance as
10 determined by the department in rule, the equipment repair specialty
11 as determined by the department in rule, the pump and irrigation
12 specialty other than as defined by (g)(i)(A) of this subsection or
13 domestic pump specialty as determined by the department in rule, or
14 a specialty other than the designated specialties in (g)(i)(A) of
15 this subsection for a minimum of the initial ninety days, or longer
16 if set by rule by the department. The restricted nonresidential
17 maintenance specialty is limited to a maximum of 277 volts and 20
18 amperes for lighting branch circuits and/or a maximum of 250 volts
19 and 60 amperes for other circuits, but excludes the replacement or
20 repair of circuit breakers. The initial period must be spent under
21 one hundred percent supervision of a master journey level
22 electrician, journey level electrician, master specialty electrician
23 working in that electrician's specialty, or specialty electrician
24 working in that electrician's specialty. After this initial period,
25 a person may take the specialty examination. If the person passes
26 the examination, the person may work unsupervised for the balance of
27 the minimum hours required for certification. A person may not be
28 certified as a specialty electrician in the appliance repair
29 specialty or in a specialty other than the designated specialties in
30 (g)(i)(A) of this subsection, however, until the person has worked a
31 minimum of two thousand hours in that specialty, or longer if set by
32 rule by the department; or

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1 (C) Successfully completed an approved apprenticeship program
2 under chapter 49.04 RCW for the applicant's specialty in the
3 electrical construction trade.

4 (ii) In meeting the training requirements for the pump and
5 irrigation or domestic pump specialties, the individual shall be
6 allowed to obtain the experience required by this section at the
7 same time the individual is meeting the experience required by RCW
8 18.106.040(1)(c). After meeting the training requirements provided
9 in this section, the individual may take the examination and upon
10 passing the examination, meeting additional training requirements as
11 may still be required for those seeking a pump and irrigation, or a
12 domestic pump specialty certificate as defined by rule, and paying
13 the applicable fees, the individual must be issued the appropriate
14 certificate. The department may include an examination for specialty
15 plumbing certificate defined in RCW 18.106.010(10)(c) with the
16 examination required by this section. The department, by rule and in
17 consultation with the electrical board, may establish additional
18 equivalent ways to gain the experience requirements required by this
19 subsection. Individuals who are able to provide evidence to the
20 department, prior to January 1, 2007, that they have been employed
21 as a pump installer in the pump and irrigation or domestic pump
22 business by an appropriately licensed electrical contractor,
23 registered general contractor defined by chapter 18.27 RCW, or
24 appropriate general specialty contractor defined by chapter 18.27
25 RCW for not less than eight thousand hours in the most recent six
26 calendar years shall be issued the appropriate certificate by the
27 department upon receiving such documentation and applicable fees.
28 The department shall establish a single document for those who have
29 received both an electrical specialty certification as defined by
30 this subsection and have also met the certification requirements for
31 the specialty plumber as defined by RCW 18.106.010(10)(c), showing
32 that the individual has received both certifications. No other
33 experience or training requirements may be imposed.

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1 (iii) Before July 1, 2015, an applicant possessing an electrical
2 training certificate issued by the department is eligible to apply
3 one hour of every two hours of unsupervised telecommunications
4 system installation work experience toward eligibility for
5 examination for a limited energy system certificate of competency
6 (as specified in WAC 296-46B-920(2)(e)), if:

7 (A) The telecommunications work experience was obtained while
8 employed by a contractor licensed under this chapter as a general
9 electrical contractor (as specified in WAC 296-46B-920(1)) or
10 limited energy system specialty contractor (as specified in WAC 296-
11 46B-920(2)(e)); and

12 (B) Evidence of the telecommunications work experience is
13 submitted in the form of an affidavit prescribed by the department.

14 (iv)(A) Before January 1, 2018, an applicant possessing an
15 electrical training certificate issued by the department is eligible
16 to apply one hour of every two hours of unsupervised work experience
17 in the electrical trade toward eligibility for examination for a
18 limited energy certificate of competency (as specified in WAC 296-
19 46B-920(2)(e)), a HVAC/refrigeration systems certificate of
20 competency (as specified in WAC 296-46B-920(2)(f)(v)), or a
21 nonresidential maintenance certificate of competency (as specified
22 in WAC 296-46B-920(2)(g)) if:

23 (I) The work experience was obtained while employed by a school
24 district as defined in RCW 28A.315.025; and

25 (II) Evidence of the work experience is submitted in the form of
26 an affidavit prescribed by the department.

27 (B) An applicant under this subsection (1)(g)(iv) may apply for
28 more than one certificate of competency; however, each hour of work
29 experience may be applied toward eligibility for only one
30 certificate of competency.

31 (h) Any applicant for a journey level electrician certificate of
32 competency who has successfully completed a two-year program in the
33 electrical construction trade at public community or technical
34 colleges, or not-for-profit nationally accredited technical or trade

1 schools licensed by the workforce training and education
2 coordinating board under chapter 28C.10 RCW, may substitute up to
3 two years of the technical or trade school program for two years of
4 work experience under a master journey level electrician or journey
5 level electrician. The applicant shall obtain the additional two
6 years of work experience required in industrial or commercial
7 electrical installation prior to the beginning, or after the
8 completion, of the technical school program. Any applicant who has
9 received training in the electrical construction trade in the armed
10 service of the United States may be eligible to apply armed service
11 work experience towards qualification to take the examination for
12 the journey level electrician certificate of competency.

13 (i) An applicant for a specialty electrician certificate of
14 competency who, after January 1, 2000, has successfully completed a
15 two-year program in the electrical construction trade at a public
16 community or technical college, or a not-for-profit nationally
17 accredited technical or trade school licensed by the workforce
18 training and education coordinating board under chapter 28C.10 RCW,
19 may substitute up to one year of the technical or trade school
20 program for one year of work experience under a master journey level
21 electrician, journey level electrician, master specialty electrician
22 working in that electrician's specialty, or specialty electrician
23 working in that electrician's specialty. Any applicant who has
24 received training in the electrical construction trade in the armed
25 services of the United States may be eligible to apply armed service
26 work experience towards qualification to take the examination for an
27 appropriate specialty electrician certificate of competency.

28 (j) The department must determine whether hours of training and
29 experience in the armed services or school program are in the
30 electrical construction trade and appropriate as a substitute for
31 hours of work experience. The department must use the following
32 criteria for evaluating the equivalence of classroom electrical
33 training programs and work in the electrical construction trade:

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1 (i) A two-year electrical training program must consist of three
2 thousand or more hours.

3 (ii) In a two-year electrical training program, a minimum of two
4 thousand four hundred hours of student/instructor contact time must
5 be technical electrical instruction directly related to the scope of
6 work of the electrical specialty. Student/instructor contact time
7 includes lecture and in-school lab.

8 (iii) The department may not allow credit for a program that
9 accepts more than one thousand hours transferred from another
10 school's program.

11 (iv) Electrical specialty training school programs of less than
12 two years will have all of the above student/instructor contact time
13 hours proportionately reduced. Such programs may not apply to more
14 than fifty percent of the work experience required to attain
15 certification.

16 (v) Electrical training programs of less than two years may not
17 be credited towards qualification for journey level electrician
18 unless the training program is used to gain qualification for a four
19 thousand hour electrical specialty.

20 (k) No other requirement for eligibility may be imposed.

21 (2) The department shall establish reasonable rules for the
22 examinations to be given applicants for certificates of competency.
23 In establishing the rules, the department shall consult with the
24 board. Upon determination that the applicant is eligible to take the
25 examination, the department shall so notify the applicant,
26 indicating the time and place for taking the examination.

27 (3) No noncertified individual may work unsupervised more than
28 one year beyond the date when the trainee would be eligible to test
29 for a certificate of competency if working on a full-time basis
30 after original application for the trainee certificate. For the
31 purposes of this section, "full-time basis" means two thousand
32 hours."

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EFFECT: Provides that before January 1, 2018, an individual employed by a school district may apply one hour for every two hours worked in the electrical trade toward taking the examination for the following specialty electrician certificates of competency: limited energy, HVAC/refrigeration systems, and nonresidential maintenance. Requires the individual to have a training certificate and submit evidence of the work experience by affidavit. Allows application for more than one certificate of competency but each hour of experience applies toward only one certificate.

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